



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 5  
77 WEST JACKSON BOULEVARD  
CHICAGO, ILLINOIS 60604**

**DATE:** MAY 31 2017

**SUBJECT:** CLEAN AIR ACT INSPECTION REPORT  
Omnisource Corporation, Fort Wayne, Indiana

**FROM:** Scott Connolly, Environmental Engineer  
AECAB (IL/IN)

**THRU:** Natalie Topinka, Acting Section Chief  
AECAB (IL/IN)

**TO:** File

---

**BASIC INFORMATION**

**Facility Name:** Omnisource Corporation

**Facility Location:** 3601 Maumee Avenue, Fort Wayne, IN 46803

**Date of Inspection:** May 23, 2017

**Lead Inspector:** Scott Connolly, Environmental Engineer, US EPA

**Other Attendees:**

1. Alba Bega, Environmental Engineer, US EPA.
2. Dave Stage, Ferrous Plant Manager, Omnisource Corporation
3. Eric Archbold, Health, Safety and Environmental Manager, Omnisource Corporation

**Purpose of Inspection:** Determine compliance with the Clean Air Act and observe metal shredding operations.

**Facility Type:** Metal Recycling and Shredding Facility.

**Arrival Time:** 1:35 pm

**Departure Time:** 3:30 pm

**Inspection Type:**

- ☒ Unannounced Inspection  
☐ Announced Inspection

### **OPENING CONFERENCE**

- ☒ Credentials Presented
- ☒ CBI warning to facility provided

The following information was obtained verbally from Dave Stage or Eric Archbold unless otherwise noted.

#### **Process Description:**

Omnisource Corporation (Omnisource) obtains and processes scrap metal received by truck and rail. Most scrap metal is obtained from smaller scrap dealers and industry sources, but a small portion of the scrap metal is received directly from the public. Generally, loads of scrap metal are inspected and dumped into piles where it is sorted by crane operators prior to shredding. The shredder processes two different types of scrap: #1 shred, new production that is sent to foundries; and #2 shred, sheet iron and auto bodies, that is sent to steel mills. Cranes load scrap metal onto a conveyor, which feeds metal into a 6,000 horsepower hammermill shredder. A water injection system sprays water into the shredder to reduce dust and cool the metal. Shredded metal exits the shredder and is fed through a magnetic separator, which separates non-magnetics from ferrous metal. Nonmetallics, or fluff, is removed in a z-box cyclone before the ferrous metals is stored in piles. Fluff containing non-ferrous metals is sent to another Omnisource facility for further processing.

**Staff Interview:** Facility staff stated that the shredder currently operates at 130 tons per hour of metal, but could be optimized to operate at 180 tons per hour of metal. The plant currently operates eight hours per day, five days per week. Facility staff stated that they process about 60% scrap metal and 40% auto bodies. The shredder is equipped with a smart water injection system that has the capabilities to run in automatic and manual modes, but Omnisource currently only operates it in manual mode. Mr. Stage stated that the scrap exits the shredder at approximately 180-200° F.

### **TOUR INFORMATION**

**EPA toured the facility:** Yes

#### **Data Collected and Observations:**

As we exited the office, truck traffic was generating visible particulate emissions on the south end of the facility, close to Maumee Ave. Visible particulate emissions from scrap loading operations onto shredder conveyor were also observed (see photos in Appendix A). Steam generated from water spraying operations was present, but was generally not observed exiting the three sided enclosure around the shredder.

**Field Measurements:** were not taken during this inspection.

### **RECORDS REVIEW**

- Reviewed Scrap inspection procedures worksheets

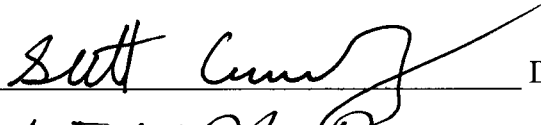
**CLOSING CONFERENCE**

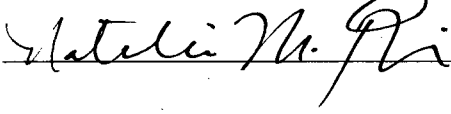
**Requested documents:**

- Records of Emission Testing on Shredder
- Documents related to origin of emission limit

**Concerns:** Visible dust was observed originating from truck traffic, despite evidence of road wetting and dust suppression measures.

**SIGNATURES**

Lead Inspector:  Date: 5/30/2017

Section Chief:  Date: 6/1/17

**Facility Name:** Omnisource Corporation – Fort Wayne – Ferrous Plant  
**Facility Location:** 3601 Maumee Ave, Fort Wayne, Indiana  
**Date of Inspection:** May 23, 2017

**APPENDICES AND ATTACHMENTS**

- Appendix A: Photos

**Facility Name:** Omnisource Corporation – Fort Wayne – Ferrous Plant  
**Facility Location:** 3601 Maumee Ave, Fort Wayne, Indiana  
**Date of Inspection:** May 23, 2017

**APPENDIX A: PHOTOS**

<b>Photo No.</b>	<b>Date and Time</b>	<b>Description</b>
IMG_0643	May 23, 2017 at 1:21 PM	Dust generated from truck traffic on southern facility road. Photo taken looking east toward the shredder building.
IMG_0644	May 23, 2017 at 1:27 PM	Dust generated from shredder crane loading operations and scrap pile.
IMG_0645	May 23, 2017 at 1:27 PM	Dust generated from shredder crane loading operations and scrap pile.
IMG_0646	May 23, 2017 at 1:29 PM	Dust generated from shredder crane loading operations and scrap pile.
IMG_0647	May 23, 2017 at 1:30 PM	Scrap metal on conveyor entering shredder during normal operations.
IMG_0648	May 23, 2017 at 1:31PM	Scrap metal on conveyor entering shredder during normal operations.
IMG_0649	May 23, 2017 at 1:35 PM	Crane loading auto onto shredder conveyor.
IMG_0650	May 23, 2017 at 1:41 PM	Fluff conveyor exit and fluff storage pile.
IMG_0651	May 23, 2017 at 1:41 PM	Z-Box cyclone separator (center) and manual sorting building (right).
IMG_0652	May 23, 2017 at 1:41 PM	Shredder scrap conveyors and storage piles.
IMG_0653	May 23, 2017 at 1:46 PM	Hot scrap exiting shredder (left) and entering magnetic separator (right).
IMG_0654	May 23, 2017 at 1:46 PM	Inside of Downstream Building, containing magnetic separator and fluff conveyors.
IMG_0655	May 23, 2017 at 1:47 PM	Inside of Downstream Building.